

526,861

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number  
**WO 2004/023819 A2**

(51) International Patent Classification<sup>7</sup>: **H04N 7/24**

(21) International Application Number:  
PCT/IB2003/003952

(22) International Filing Date: 29 August 2003 (29.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/408,913 6 September 2002 (06.09.2002) US  
60/483,775 30 June 2003 (30.06.2003) US

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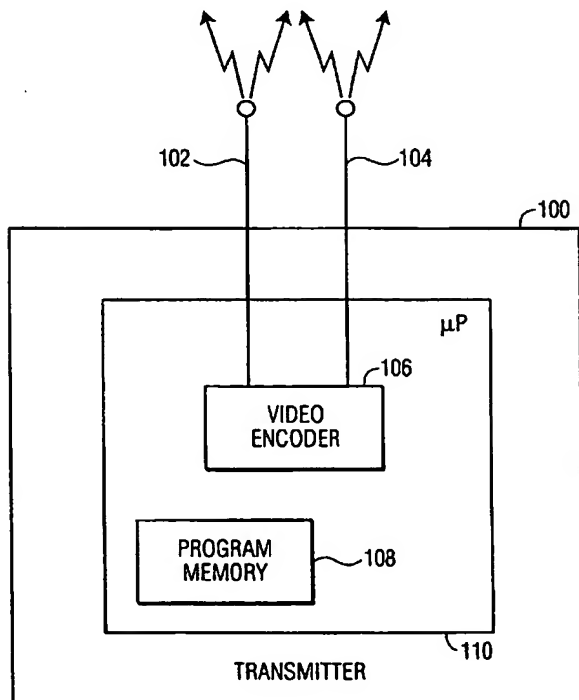
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: **CONTENT-ADAPTIVE MULTIPLE DESCRIPTION MOTION COMPENSATION FOR IMPROVED EFFICIENCY AND ERROR RESILIENCE**



(57) Abstract: A multiple description coding method is applied to video, and optimized to preclude transmission to the decoder of mismatch correction information that applies to portions of a frame outside a region of interest. Additional bit efficiency is realized by selectively updating, based on video content, the weighting of prediction frames motion compensated from corresponding frames used in estimating a current frame. Frequency of update is adaptively determined based on the realized increased accuracy of prediction and concomitant residual image bit savings as compared, in tradeoff, with the need to more frequently transmit the updated weights to the receiver.

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Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**Published:**

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